

One Month

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# Push, Pop, Shift and Reverse Arrays

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Bonus · Lesson 1 ·

Lesson Notes

Discussion (5)

In this lesson, we look at more Array methods (push, pop, shift and reverse) that we can use to search and play with our data. The push() method adds new items to the end of an array and returns the new length. The pop() method removes the last element from an array and returns that element. The shift() method removes the first element from an array and returns that removed element. The reverse() method reverses an array in place.

```
<!DOCTYPE html>
<html>
<head>
  <title>More with Arrays</title>

  <style type="text/css">

    body {
      background: #87CEFA;
    }

  </style>

</head>
<body>

<script type="text/javascript">

// PUSH - adds new element to an array
var sports = ['soccer', 'baseball'];
var total = sports.push('football', 'swimming', 'yoga');

console.log(sports); // ['soccer', 'baseball', 'football', 'swimming', 'yoga']
console.log(total);  // 4

//POP - remove the last element of an array
var myFish = ['angel', 'clown', 'mandarin', 'sturgeon'];

console.log(myFish); // ['angel', 'clown', 'mandarin', 'sturgeon']

var popped = myFish.pop();

console.log(myFish); // ['angel', 'clown', 'mandarin']
console.log(popped); // 'sturgeon'

//SHIFT - remove the first element of an array
```

```
var myFish = ['angel', 'clown', 'mandarin', 'surgeon'];

console.log('myFish before: ' + myFish);
// "myFish before: angel,clown,mandarin,surgeon"

var shifted = myFish.shift();

console.log('myFish after: ' + myFish);
// "myFish after: clown,mandarin,surgeon"

console.log('Removed this element: ' + shifted);
// "Removed this element: angel"


//REVERSE - reverse the array
var myArray = ['one', 'two', 'three'];
myArray.reverse();

console.log(myArray) // ['three', 'two', 'one']

</script>
</body>
</html>
```

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